

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp	
L5	23	(US-20040108627-\$ or US-20020125254-\$ or US-20020171161-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$ or US-3983199-\$ or US-3579620-\$ or US-3892828-\$ or US-5392950-\$).did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 11:38
L6	1	5 and heat\$3 with tip	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 11:39
L7	667	425/525.cols.	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 11:40
L8	5	7 and heat\$3 with tip	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 11:40
L9	648295	"23" and cryst\$	US-PGPUB; USPAT	OR	ON		2009/04/02 11:45
L10	6	5 and cryst\$	US-PGPUB; USPAT	OR	ON		2009/04/02 11:45
L11	2	"3362043".pn.	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 11:56
L12	8	5 and heated	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 11:59
L13	0	punch adj press with heated adj tip	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 12:13
L14	3	(penetrate or shear\$3) and 5	US-PGPUB; USPAT; USOOR	OR	ON		2009/04/02 12:14
L15	204	425/537.cols.	US-PGPUB; USPAT	OR	ON		2009/04/02 13:12
L16	0	punch with perforate with pet	US-PGPUB; USPAT	OR	ON		2009/04/02 13:13

L17	450	punch with perforate	US-PGPUB; USPAT	OR	ON	2009/04/02 13:14
L18	14	punch with perforate with container	US-PGPUB; USPAT	OR	ON	2009/04/02 13:14
L19	1713222	cut\$	US-PGPUB; USPAT	OR	ON	2009/04/02 13:15
L20	6	19 and 5	US-PGPUB; USPAT	OR	ON	2009/04/02 13:15
L21	667	425/525 cols.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:17
L22	68	21 and pet	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:18
L23	14	("3342916"   "3787170"   "3928522"   "4727997"   "4988279"   "4992230"   "4993931"   "5057266"   "5080855"   "5256341"   "5275780"   "5543107"   "6277321").PN. OR ("7153455").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:21
L24	362	425/531.cols.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:23
L25	14	24 and perforat\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:23
L26	667	425/525.cols.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:40
L27	44	("2908034"   "2951264"   "3019480"   "3115682"   "3144493"   "3268641"   "3347420"   "3538543"   "3729553"   "4065536"   "4548322"   "5052590"   "5114659"   "5135702"   "5223245").PN. OR ("5882574").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:45
L28	19	("2991500"   "3366290"   "3444285"   "3892828"   "4079850").PN. OR ("5087406").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:49
L29	12	("3160326"   "4195728"   "4796937"   "4960225"   "5087406"   "5232107"   "5429263"   "5467915").PN. OR ("5711061").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:52

L30	19	("3649728"   "3781395"   "3844698"   "3850562"   "3892513"   "3928522"   "RE23564").PN. OR ("4123217").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:55
L31	10	("3564087"   "3983199").PN. OR ("4086314").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 13:55
L32	17	("3499071").URPN.	USPAT	OR	ON	2009/04/02 14:03
L33	36	("20030039780"   "3120679"   "3285454"   "3369690"   "3417892"   "3481501"   "3499071"   "3534435"   "3564087"   "3679785"   "3793422"   "3795162"   "3892828"   "3942932"   "4266927"   "4497855"   "4518558"   "4579260"   "4846359"   "5005716"   "5191988"   "5232107"   "5275780"   "5392950"   "5477974"   "6773716"   "D397291").PN. OR ("7431170").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 14:03
L34	1	"20020125254".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 14:58
L35	27	heat\$2 with punch with thick	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:04
L36	174	heat\$2 with punch with thick\$4	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:05
L37	6266	finger near2 groove	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:15
L38	7	37 same blow adj mold\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:15

L39	34	(“4153667”   “4177239”   “4235837”   “4241008”   “4318882”   “4372735”   “4375442”   “4379099”   “4385089”   “4397808”   “4482518”   “4512948”   “4522779”   “4550007”   “4584158”   “4589559”   “4590021”   “4603066”   “4820795”   “4836971”   “4839127”   “4846656”   “4933135”   “5145632”   “5248533”).PN. OR (“5540879”).URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:17
L40	1092	(post adj mold) or (postmold)	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:28
L41	127	40 same container	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:29
L42	3295	(post adj mold\$3) or (postmold\$3)	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:29
L43	281	42 same container	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:29
L44	10	43 same (finger or hand or grip)	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:29
L45	10	(“3564087”   “3983199”).PN. OR (“4086314”).URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:30
L46	17	(“3499071”).URPN.	USPAT	OR	ON	2009/04/02 15:32
L47	36	(“20030039780”   “3120679”   “3285454”   “3369690”   “3417892”   “3481501”   “3499071”   “3534435”   “3564087”   “3679785”   “3793422”   “3795162”   “3892828”   “3942932”   “4266927”   “4497855”   “4518558”   “4579260”   “4846359”   “5005716”   “5191988”   “5232107”   “5275780”   “5392950”   “5477974”   “6773716”   “D397291”).PN. OR (“7431170”).URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:32

L48	88	("2982440"   "3403804"   "3409167"   "3733309"   "3911071"   "3934743"   "4125632"   "4199629"   "4233022"   "4247012"). PN. OR ("4497855").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:34
L49	66	("3934743"   "4035455"   "4496517"   "4497855"   "4818575"   "5005716"   "5067622"   "5122327"   "5191987"   "5250335"   "5261545"   "5308233"   "5378421"   "5389332"). PN. OR ("5735420").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:38
L50	193	45 or 46 or 47 or 48 or 49	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:44
L51	41	50 and grip	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:44
L52	0	51 and secondary with mold\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:52
L53	0	51 and second\$3 with mold \$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:52
L54	9	51 and second\$3 with mold \$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:52
L55	160	264/530.ocls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:54
L56	21	55 and grip	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:55
L57	110	55 and container	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:57
L58	11	("3865912"   "4550007"   "5248533"   "5308233"   "5378421"   "5382157"   "5501590"   "5520877"   "5585065"   "5641451"). PN. OR ("6080353").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 15:59
L59	2	"3499071".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:05
L60	17	("3499071").URPN.	USPAT	OR	ON	2009/04/02 16:05

L61	36	(“20030039780”   “3120679”   “3285454”   “3369690”   “3417892”   “3481501”   “3499071”   “3534435”   “3564087”   “3679785”   “3793422”   “3795162”   “3892828”   “3942932”   “4266927”   “4497855”   “4518558”   “4579260”   “4846359”   “5005716”   “5191988”   “5232107”   “5275780”   “5392950”   “5477974”   “6773716”   “D397291”), PN. OR (“7431170”), URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:06
L62	144	second adj blow adj mold	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:07
L63	1	62 and containe	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:07
L64	91	62 and container	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:07
L65	362	425/531.ocols.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:23
L66	404856	grip	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:33
L67	313	container with handle with grooves	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:34
L68	23	container with handle with grooves with grip\$4	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 16:34
L69	6	5 and pet	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 17:04
L70	191	pet with container with clear	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 17:08
S1	35054	blow adj mold\$4	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S2	4389	compress with handle	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S3	35	S1 and S2	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S4	3	S3 and pet	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21

S5	20743	pet and bottle	US-PGPUB; USPAT	OR	ON	2009/01/08 16:26
S6	3667	hand with compress	US-PGPUB; USPAT	OR	ON	2009/01/08 16:26
S7	22	S6 and S5	US-PGPUB; USPAT	OR	ON	2009/01/08 16:26
S8	1	"5057266".pn.	US-PGPUB; USPAT	OR	ON	2009/01/08 16:27
S9	24	("3744656"   "4170623"   "4280805"   "4368826"   "4378328"   "4659531"   "4713207"   "4727997"   "Re03116").PN. OR ("5057266").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/08 16:27
S10	15	("3342916"   "3787170"   "3928522"   "4727997"   "4988279"   "4992230"   "4993931"   "5057266"   "5080855"   "5256341"   "5275780"   "5543107"   "6277321").PN. OR ("6733716").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/08 16:32
S11	3	S9 and ultrasonic	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/08 16:33
S12	3	S10 and ultrasonic	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/08 16:34
S13	2488	convex adj profile	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S14	2731	concave adj profile	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S15	888	S13 and S14	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S16	119	S15 and (mandrel or core)	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S17	40	S16 and (parison or hollow or tube)	US-PGPUB; USPAT	OR	ON	2009/01/08 16:50
S18	1	"4422839".pn.	US-PGPUB; USPAT	OR	ON	2009/01/08 16:53
S19	31	("3078507"   "3205534"   "3281896"   "3309443"   "3355769"   "3453690"   "3909183"   "3985490"   "4124351"   "4171195"   "4279857").PN. OR ("4422839").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/08 16:54

S20	30	(“3024494”   “3114932”   “3309443”   “3586084”   “3665063”   “3914366”   “3981672”   “4045154”   “4063865”   “4075187”   “4076121”   “4173446”   “4218416”   “4258641”   “4279857”   “4318489”   “4323339”   “4374878”   “4402898”   “4406854”   “4422839”   “4496301”   “4650629”   “Re28068”). PN. OR (“4735834”).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 17:03
S21	16	(“3309443”).URPN.	USPAT	OR	ON	2009/01/08 17:06
S22	1	“1685943”	EPO	OR	ON	2009/01/08 17:10
S23	1	“1004423”	EPO	OR	ON	2009/01/08 17:10
S24	1323	insert adj injection adj mold \$3	US-PGPUB; USPAT	OR	ON	2009/03/31 13:38
S25	94	S24 with bond\$4	US-PGPUB; USPAT	OR	ON	2009/03/31 13:38
S26	1	“5087406”.pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 13:44
S27	1	“5057266”.pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 13:51
S28	0	S24 with seam with (bottle or container)	US-PGPUB; USPAT	OR	ON	2009/03/31 13:59
S29	1	S24 with seam	US-PGPUB; USPAT	OR	ON	2009/03/31 13:59
S30	41	S24 with container	US-PGPUB; USPAT	OR	ON	2009/03/31 14:00
S31	19	S24 and (bottle or container) with PET	US-PGPUB; USPAT	OR	ON	2009/03/31 14:07
S32	83	S24 with (seal\$3 or seam)	US-PGPUB; USPAT	OR	ON	2009/03/31 14:09
S33	10078	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/03/31 14:13
S34	6	S33 and (pet with handle).ab.	US-PGPUB; USPAT	OR	ON	2009/03/31 14:13
S35	7	(“4659531”   “4727997”). PN. OR (“4992230”).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:14
S36	31	S33 and (pet with handle)	US-PGPUB; USPAT	OR	ON	2009/03/31 14:15
S37	29	S36 not S35	US-PGPUB; USPAT	OR	ON	2009/03/31 14:15

S38	1747	insert adj injection	US-PGPUB; USPAT	OR	ON	2009/03/31 14:17
S39	27	S38 and S33	US-PGPUB; USPAT	OR	ON	2009/03/31 14:17
S40	1	"4199129".pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 14:19
S41	11	("3339232"   "3736201"). PN. OR ("4199129").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 14:19
S42	1	"5087406".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 14:20
S43	19	("2991500"   "3366290"   "3444285"   "3892828"   "4079850").PN. OR ("5087406").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 14:20
S44	18	("3366290").URPN.	USPAT	OR	ON	2009/03/31 14:24
S45	947	insert adj injection	USPAT	OR	ON	2009/03/31 14:27
S46	1117	insert adj inject\$4	USPAT	OR	ON	2009/03/31 14:27
S47	21	S46 and S33	USPAT	OR	ON	2009/03/31 14:27
S48	12	("2262612"   "3590114"). PN. OR ("4057609").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 14:30
S49	2	"3366290".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 14:35
S50	18	("3366290").URPN.	USPAT	OR	ON	2009/03/31 14:38
S51	14	S24 with ultrasonic	USPAT	OR	ON	2009/03/31 14:39
S52	25	S24 with ultrasonic	US-PGPUB; USPAT	OR	ON	2009/03/31 14:39
S53	1	"6450722".pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 15:00
S54	29	("3022814"   "3440117"   "3499808"   "3773205"   "4106962"   "4259419"). PN. OR ("4356926").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:03
S55	78	diaphragm adj gate	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:05
S56	1329	425/129.1.col.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:35

S57	1	S56 and bond with seam	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:35
S58	466	264/252.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:36
S59	0	S58 and pet same (container or bottle)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:36
S60	0	S58 and seam	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:36
S61	20	S58 and seam	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:36
S62	1	"20020125254".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:38
S63	50	inject with resin with seal	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:41
S64	46	inject with resin with seal	US-PGPUB; USPAT	OR	ON	2009/03/31 15:42
S65	8	inject with resin with seal with cavity	US-PGPUB; USPAT	OR	ON	2009/03/31 15:42
S66	349	264/252.ccls.	US-PGPUB; USPAT	OR	ON	2009/03/31 15:44
S67	111	S66 and seal	US-PGPUB; USPAT	OR	ON	2009/03/31 15:44
S68	19	S66 and seam	US-PGPUB; USPAT	OR	ON	2009/03/31 15:44
S69	1524	(seam or seal or bond) with (resin or thermoplastic) with cavity	US-PGPUB; USPAT	OR	ON	2009/03/31 15:45
S70	73	S69 and S33	US-PGPUB; USPAT	OR	ON	2009/03/31 15:45
S71	7	("0762064"   "3070479"   "3072959").PN. OR ("5743988").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:47
S72	1329	425/129.1.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:58
S73	46	S72 and cavity with (bond or seam)	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 15:58

S74	34	({"4153667"   "4177239"   "4235837"   "4241008"   "4318882"   "4372735"   "4375442"   "4379099"   "4385089"   "4397808"   "4482518"   "4512948"   "4522779"   "4550007"   "4584158"   "4589559"   "4590021"   "4603066"   "4820795"   "4836971"   "4839127"   "4846656"   "4933135"   "5145632"   "5248533").PN. OR ("5540879").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:02
S75	3	injection adj weld\$3 with seam	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:13
S76	170	injection adj bond\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:13
S77	14	("3342916"   "3787170"   "3928522"   "4727997"   "4988279"   "4992230"   "4993931"   "5057266"   "5080855"   "5256341"   "5275780"   "5543107"   "6277321").PN. OR ("7153455").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:26
S78	19	("2951264"   "3649728"   "3662048"   "3776991"   "3781395").PN. OR ("3928522").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:29
S79	40	("3781395").URPN.	USPAT	OR	ON	2009/03/31 16:32
S80	28	("2715751"   "2966702"   "3012286"   "3052916"   "3399424"   "3579622"   "3718724"   "3781395").PN. OR ("3944642").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:34
S81	28	("2715751"   "2966702"   "3012286"   "3052916"   "3399424"   "3579622"   "3718724"   "3781395").PN. OR ("3944642").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/03/31 16:37

S82	34	(“4153667”   “4177239”   “4235837”   “4241008”   “4318882”   “4372735”   “4375442”   “4379099”   “4385089”   “4397808”   “4482518”   “4512948”   “4522779”   “4550007”   “4584158”   “4589559”   “4590021”   “4603066”   “4820795”   “4836971”   “4839127”   “4846656”   “4933135”   “5145632”   “5248533”).PN. OR (“5540879”).URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 07:40
S83	40	(“3781395”).URPN.	USPAT	OR	ON	2009/04/01 07:42
S84	15	(“2951264”   “3159697”   “3649728”   “3662048”   “3776991”   “3781395”).PN. OR (“4038006”).URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 07:45
S85	2	“3362043”.pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 07:55
S86	0	(“2004/0108627”).URPN.	USPAT	OR	ON	2009/04/01 08:06
S87	9	(“0391167”   “4629598”   “4915241”   “5469612”   “5535901”   “5637167”   “5704506”   “5918754”   “5931324”).PN.	USPAT	OR	ON	2009/04/01 08:11
S88	18	(US-20040108627-\$ or US-20020125254-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$).did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 08:53
S89	6	S88 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 08:53
S90	1992	ultrasonic with seam	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S91	10078	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S92	10078	S91	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54

S93	1098	S90 and "27"	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S94	7	S90 and S91	US-PGPUB; USPAT	OR	ON	2009/04/01 08:55
S95	1399	ultrasonic with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 08:55
S96	11	S91 and S95	US-PGPUB; USPAT	OR	ON	2009/04/01 08:55
S97	34	("3115682"   "3140329"   "3163544").PN. OR ("4280859").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 08:58
S98	7788	handle with bond\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:02
S99	31	S91 and S98	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:02
S100	5	("5275780"   "5543107"   "6277321"   "6733716"   "7153455").PN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:03
S101	2	"3366290".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:14
S102	18	("3366290").URPN.	USPAT	OR	ON	2009/04/01 09:14
S103	42	("2991500"   "3195752"   "3366290"   "3369690"   "3444285"   "3547294"   "3892828"   "4079850"   "4116608"   "4195053"   "4816308"   "4846359"   "4868026"   "4952133"   "5087406"   "5089208"   "5232107"   "5275780").PN. OR ("5366101").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:15
S104	547	injection adj mold\$3 with flash	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:19
S105	5565	injection adj mold\$3 with (flash or flange or sprue)	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:19
S106	280	S105 with (container or bottle)	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:19
S107	64	injection adj molds\$3 with (flash or flange or sprue) with handle	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:20
S108	2513	inject\$3 with (resin or mold \$3) with bond	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:31

S109	9046	inject\$3 with (resin or mold\$3) with bond\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:31
S110	30	inject\$3 with (resin or mold\$3) with bond\$3 with seam	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:31
S111	1	"5480604".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:37
S112	12	inject\$3 with (resin or mold\$3) with bond\$3 with flash	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:38
S113	0	inject\$3 with (resin or mold\$3) near8 bond\$3 near8 flash	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:39
S114	7	inject\$3 with (resin or mold\$3) near8 bond\$3 with flash	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:39
S115	92	seam adj pucker\$3	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:40
S116	1	"5808215".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:42
S117	62	inject\$3 with clamp\$3 with flange with (bond\$3 or seal\$3)	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:50
S118	67	(steve near2 smith).in.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:52
S119	8	S118 and flange	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:52
S120	69	overmold\$3 and S91	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:53
S121	11	(overmold\$3 with (bond or adhere or seam)) and S91	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:54
S122	16	(overmold\$3 with (bond\$3 or adhere or seam)) and S91	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:54
S123	6	injection adj attach\$4 with flange	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 09:57
S124	667	425/525.col.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 13:08

S125	22	("3538543"   "3564087"   "3740181").PN. OR ("3983199").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 13:15
S126	6	("3579620").URPN.	USPAT	OR	ON	2009/04/01 13:19
S127	1	("1127381").URPN.	USPAT	OR	ON	2009/04/01 13:32
S128	98	426/116.ccls.	USPAT	OR	ON	2009/04/01 13:34
S129	665	425/112.ccls.	USPAT	OR	ON	2009/04/01 13:37
S130	10078	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/01 14:04
S131	110	S130 and heat adj bond\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 14:04
S132	0	S130 and heat adj bond\$3 with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 14:05
S133	4	S130 and heat adj bond\$3 same handle	US-PGPUB; USPAT	OR	ON	2009/04/01 14:05
S134	301	S130 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 14:07
S135	8	S124 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 14:07
S136	12	S130 and ultrasonic same handle	US-PGPUB; USPAT	OR	ON	2009/04/01 14:08
S137	301	S130 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 15:07
S138	307	S130 and (ultrasonic or ultra adj sonic)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:07
S139	109	S130 and (ultrasonic or ultra adj sonic) same (ahndle or seam or bond \$3)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:07
S140	1	("20020171161").PN.	US-PGPUB; USPAT	OR	ON	2009/04/01 15:10
S141	47190	seal with container	US-PGPUB; USPAT	OR	ON	2009/04/01 15:12
S142	322	S141 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:12
S143	1	"3740181".pn.	US-PGPUB; USPAT	OR	ON	2009/04/01 15:12
S144	22	("2715751"   "2966702"   "3106745"   "3204018"   "3477097"   "3635635").PN. OR ("3740181").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 15:13
S145	22	("3538543"   "3564087"   "3740181").PN. OR ("3983199").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 15:15

S146	20	(US-20040108627-\$ or US-20020125254-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$ or US-3983199-\$ or US-3579620-\$) did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:15
S147	0	S146 and (grind\$3 or ground)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:15
S148	3	S146 and (flash)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:15
S149	2	S146 and tail\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 15:19
S150	0	S124 and (bond with seam)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:21
S151	16	S124 and (grind or remove) with (flash or tail \$4)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:21
S152	16	S124 and (grind\$3 or remove) with (flash or tail \$4)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:21
S153	65	S124 and (grind\$3 or remov \$3) with (flash or tail\$4)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:22
S154	534	425/525.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/01 15:28
S155	14257	(flash or tail\$4 or sprue) with (ground or grind\$3 or comfortable or uncomfortable or handle)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:29
S156	9302	(flash or tail\$4 or sprue) with (ground or grind\$3)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:29
S157	20	S156 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:30
S158	4845	(flash or tail\$4 or sprue) with (handle)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S159	20	S157 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S160	20	S159 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S161	38	S158 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33

S162	318	(flash or tail\$4 or sprue) with (comfortable or uncomfortable)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S163	0	S162 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S164	12941	(flash or tail\$4 or sprue) with (hand)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S165	36	S164 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S166	6459	comfortable with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 15:41
S167	3070	bond with flange	US-PGPUB; USPAT	OR	ON	2009/04/01 15:41
S168	1	S166 same S167	US-PGPUB; USPAT	OR	ON	2009/04/01 15:41
S169	12758	ultrasonic with seal\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 15:43
S170	37	S169 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:43
S171	35	("3342916"   "3362043"   "3366290"   "3369690"   "3400846"   "3444285"   "3746200"   "3892828"   "3944642"   "3983199"   "4799129"   "4969571"   "4988279"   "5232107"   "5275780").PN. OR ("5392950").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 15:47
S172	4783	(flash or sprue or tail\$3) with finger	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 15:51
S173	4783	S172 and finger	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 15:51
S174	7	S172 and S130	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 15:51
S175	7549	(seal or bond) near6 handle	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 16:14
S176	8	S175 and S124	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 16:14
S177	2	"3366290".pn.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 16:15
S178	18	("3366290").URPN.	USPAT	OR	ON	2009/04/01 16:15

S179	1864	bonding with compressed	USPAT	OR	ON	2009/04/01 16:22
S180	2791	bonding with compressed	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S181	15088	bonding with compress\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S182	0	S181 with S130	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S183	74	S181 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S184	287	ultrasonic with weld\$3 with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 16:25
S185	17	S184 and pet	US-PGPUB; USPAT	OR	ON	2009/04/01 16:25
S186	1	"3366290".pn.	US-PGPUB; USPAT	OR	ON	2009/04/01 16:34
S187	22	(US-20040108627-\$ or US- 20020125254-\$).did. or (US-7153455-\$ or US- 6733716-\$ or US-4735834- \$ or US-7048883-\$ or US- 6712232-\$ or US-4356926- \$ or US-5540879-\$ or US- 4057609-\$ or US-4992230- \$ or US-4123217-\$ or US- 3781395-\$ or US-3944642- \$ or US-4038006-\$ or US- 3983199-\$ or US-3579620- \$ or US-3892828-\$ or US- 5392950-\$).did. or (US- 3309443-\$ or US-3366290- \$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/01 16:52
S188	290705	S187 shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:53
S189	2	S187 and shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:53
S190	2345407	partial\$3 shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:55
S191	6584	partial\$3 with shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:55
S192	24	S191 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 16:55
S193	14	("3342916"   "3787170"   "3928522"   "4727997"   "4988279"   "4992230"   "4993931"   "5057266"   "5080855"   "5256341"   "5275780"   "5543107"   "6277321").PN. OR ("7153455").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/04/02 09:39

S194	10080	264/500-574.cds.	US-PGPUB; USPAT	OR	ON	2009/04/02 09:39
S195	0	S194 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39
S196	301	S194 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39
S197	11	S194 and ultrasonic with handle	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39

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